

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/101548 A1

- (51) International Patent Classification⁷: H01M 4/48, 4/52, 4/04
- (21) International Application Number: PCT/GB2005/001420
- (22) International Filing Date: 13 April 2005 (13.04.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0408260.8 13 April 2004 (13.04.2004) GB
- (71) Applicant (for all designated States except US): NANOTECHTURE LTD [GB/GB]; Epsilon House, Enterprise Road, Chilworth Science Park, Southampton SO16 7NS (GB).
- (72) Inventors; and
- (73) Inventors/Applicants (for US only): OWEN, John, Robert [GB/GB]; 3 Hanley Road, Southampton, Hampshire SO15 5AP (GB). BRACE, Karen, Marie [GB/GB]; 2 Luccombe Place, Upper Shirley, Southampton SO15 7RQ (GB).
- (74) Agent: TUBBY, David, George; Marks & Clerk, 90 Long Acre, London WC2E 9RA (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, ~~US~~, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR). OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROCHEMICAL CELL

(57) Abstract: Titanium dioxide or a lithium titanate, especially mesoporous titanium dioxide or lithium titanate, can function as a negative electrode in an electrochemical cell in which the electrolyte is an aqueous solution containing lithium and hydroxide ions.

WO 2005/101548 A1